

What is claimed is:

- 1 1. A method of providing video information to a display monitor within an
2 elevator located in a building, the method comprising:
3 receiving first data defining a category of video information;
4 receiving second data, associated with the category of video information and
5 defining at least one source of the video information; and
6 retrieving from the source, over a data communications path and on the basis of
7 the first data and the second data, the video information to be displayed on the monitor
8 within the elevator.
- 1 2. The method according to claim 1, wherein the first data is a generic play
2 list having a plurality of entries, each entry defining a category of video information.
- 1 3. The method according to claim 2, wherein each entry in the generic play
2 list defines a time segment during which the video information is to be displayed.
- 1 4. The method according to claim 2, wherein the generic play list is selected
2 from one of a plurality of play lists.
- 1 5. The method according to claim 4, wherein the categories of information in
2 the play lists are selected from general information, financial information, and hotel
3 information.
- 1 6. The method according to claim 4, wherein the plurality of play lists are
2 selectable from a library across the data communications path.
- 1 7. The method according to claim 1, wherein the second data includes path
2 designation information.
- 1 8. The method according to claim 7, wherein the path designation is an FTP
2 or HTML request.
- 1 9. The method according to claim 1, wherein the second data is selected from
2 a series of registry keys, a text file and a configuration file.

1 10. The method according to claim 1, further comprising generating a local
2 building play list having a plurality of entries including the retrieved video information from
3 each source defined by the second data.

1 11. The method according to claim 1, further comprising identifying date
2 information for entries within the second data.

1 12. The method according to claim 11, further comprising using the date
2 information to update the entries within the second data.

1 13. The method according to claim 1, wherein the data communications path
2 is the Internet.

1 14. The method according to claim 1, wherein a server retrieves the first and
2 second data over the data communications path.

1 15. The method according to claim 14, wherein the server is located in the
2 building.

1 16. The method according to claim 1, wherein an elevator display unit in the
2 elevator retrieves the first and second data over the communications path.

1 17. The method according to claim 1, further comprising sampling a directory
2 of source files corresponding to the sources of video information in each category and
3 extracting source file names and date information corresponding to each source file name.

1 18. The method according to claim 17, further comprising determining, based
2 on the source file names and date information, whether a file in the source directory qualifies
3 for retrieval to a processor in the building.

1 19. The method according to claim 18, wherein if a file in the source directory
2 qualifies for retrieval, then downloading the file by either of an FTP fetch or a HTTP get
3 operation.

1 20. The method according to claim 19, wherein the downloaded file is
2 encapsulated within a protocol header.

1 21. The method according to claim 20, wherein the protocol header validates
2 the integrity of the data in the file.

1 22. The method according to claim 21, wherein the validation comprises at
2 least one of a security ID validation and a checksum validation.

1 23. The method according to claim 20, wherein the protocol header provides
2 for placement of multiple files within the protocol.

1 24. The method according to claim 20, wherein the protocol header provides
2 at least one of an activation time or a deactivation time for the downloaded file.

1 25. The method according to claim 20, wherein at least one downloaded file is
2 placed in a category file list in the processor.

1 26. The method according to claim 25, wherein the files in the category file
2 list are tagged with markers selected from at least one of the file modification date, the
3 presence of the file on the category file list prior to retrieval, file bundle status, file update
4 information, and at least one of file activation and deactivation times.

1 27. The method according to claim 26, wherein the files are tagged as a
2 bundle and said bundle is placed in the category file list.

1 28. The method according to claim 26, wherein the validated files are marked
2 individually and placed in the category file list.

1 29. The method according to claim 25, wherein, if a file in the category file
2 list is not present at the information source, the non-existent file is removed from the
3 category file list.

1 30. The method according to claim 25, wherein stale files are removed from a
2 local building play list.

1 31. The method according to claim 30, wherein a stale file is inserted into the
2 local building play list when the files are updated.

1 32. The method according to claim 25, further comprising filling the
2 categories of video information in the generic play list with file names from the category file
3 list to create a content play list.

1 33. The method according to claim 32, wherein the filling step is performed in
2 a round robin fashion from file names in the category file list.

1 34. The method according to claim 32, further comprising adding building
2 information to the content play list to form a local building play list.

1 35. The method according to claim 34, further comprising distributing the
2 local building play list to the monitors in the elevators in the building.

1 36. A method for providing video information to a display monitor within an
2 elevator located in a building, the method comprising:

3 creating a generic play list including categories of video information and time
4 segments associated with each category of information;

5 associating path information with the categories of information in the generic play
6 list to create a content mapping file;

7 requesting files accessing data sources using path information in the content
8 mapping file;

9 downloading requested files to build category file lists with pointers to files
10 accessing the data sources in each category of video information;

11 placing the categories in the category file lists into the time segments in the
12 generic play list;

13 filling the files in the category file lists into the categories in the generic play list
14 to create a content play list;

15 adding local building information to the content play list to create a local play list;

16 and

17 distributing the video information to the display monitor according to the local
18 play list.

1 37. The method according to claim 36, wherein the downloaded files are
2 encapsulated into a protocol header.

1 38. The method according to claim 37, wherein the protocol header validates
2 the downloaded file.

1 39. The method according to claim 37, wherein the protocol header allows the
2 downloaded files to be placed next to each other in the local play list.

1 40. The method according to claim 30, wherein the protocol header provides
2 at least one of activation and deactivation times for the downloaded file.

1 41. The method according to claim 36, wherein the category files list are
2 structured to include modification information for each file.

1 42. The method according to claim 41, further comprising removing a file
2 from the local building play list based on the modification information.

1 43. The method according to claim 36, wherein, during the filling step, each
2 file is included or excluded based on activated or deactivated information in the category file
3 list.

1 44. The method according to claim 36, wherein the files are downloaded to a
2 processor in the building.

1 45. The method according to claim 44, wherein the processor is a server.

1 46. The method according to claim 44, wherein the processor is in the
2 elevator.

1 47. A method for providing video information to a display monitor within an
2 elevator located in a building, the method comprising:
3 creating a generic play list including categories of video information associated
4 with each category of information;
5 associating path information with the categories of information in the generic play
6 list to create a content mapping file;
7 requesting files accessing data sources using path information in the content
8 mapping file;
9 downloading requested files to build category file lists with pointers to files
10 accessing the data sources in each category of video information, wherein the category file
11 list includes status information for each downloaded file; and
12 activating, deactivating or removing a file from a local building play list based on
13 the status information in the category file list.

1 48. The method of claim 47, wherein the files are downloaded to a processor
2 in the building.

1 49. The method of claim 48, wherein the processor is associated with the
2 elevator display unit.

1 50. The method of claim 47, further comprising
2 placing the categories in the category file lists into a time segments in the generic
3 play list for each category;
4 filling the files in the category file lists into the categories in the generic play list
5 to create a content play list.

1 51. The method of claim 50, wherein the filled files are activated or
2 deactivated based on the file status information in the category file list.

1 52. The method of claim 50, further comprising adding local building
2 information to the content play list to create a local play list.

1 53. A system for providing video information to a display monitor within an
2 elevator located in a building, the system comprising:
3 an elevator display unit having a display monitor positioned within the elevator to
4 display the video information to passengers within the elevator;
5 a processor which retrieves, over a data communications path, the video
6 information from a source, the processor retrieving the video information on the basis of first
7 data defining a category of video information and second data which defines a source of the
8 video information defines and is associated with the category of video information.

1 54. The method of claim 1, wherein the first data and the second data are in a
2 single file.